

**AN ELECTRIC MOTOR**

PS  
10/4/00 This is a continuation of application 09/770,939, filed 2001 January 25.  
which claim benefit of provisional app's 60/178,074 1/25/00 and  
provisional app 60/178,144 1/26/00

**BACKGROUND OF THE INVENTION****1). Field of the Invention**

[0001] This invention relates to an actuation device of the kind used for interactive games.

**2). Discussion of Related Art**

[0002] Actuation devices are often used in, for example, interactive games. Forces are imparted to a hand of a person by a handle held in the hand of the person. The degrees of freedom of movement of such a handle are usually relatively limited. Such a device usually includes relatively heavy motors which move together with the linkage mechanism of the device, resulting in large amounts of inertia. The motors used on such devices are also usually of the kind that exerts relatively small forces, so as to prevent injury to the person.